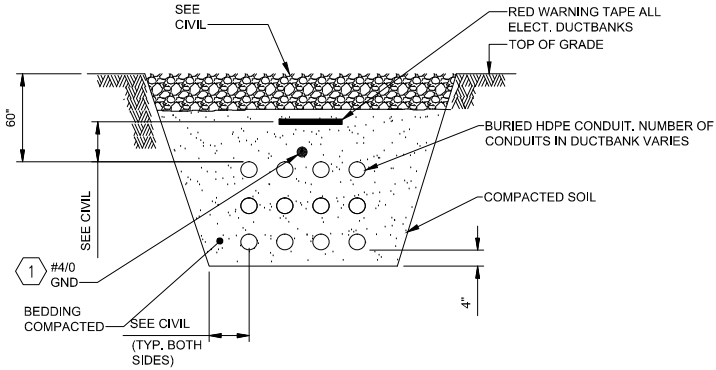
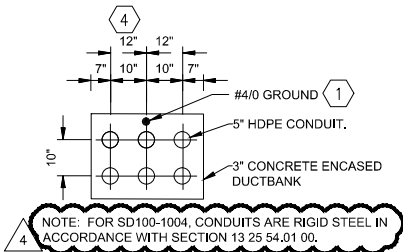


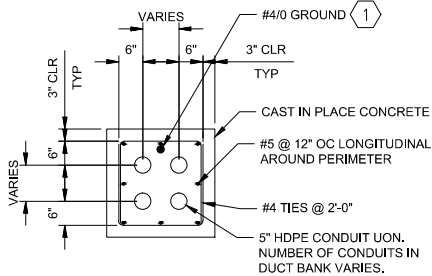
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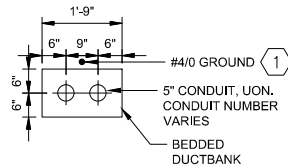
1 DUCTBANK INSTALLATION - TYPICAL INSTALL
NOT TO SCALE



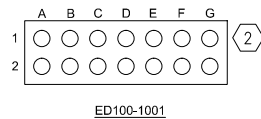
3 12.47KV DUCTBANK SECTION
NOT TO SCALE



2 TYPICAL REINFORCED DUCTBANK
NOT TO SCALE

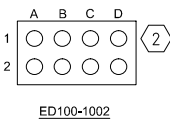


4 TYPICAL 480V DUCTBANK SECTION
NOT TO SCALE



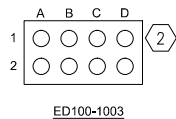
SUBSTATION TO EMH-10061101

5 SECTION
NOT TO SCALE



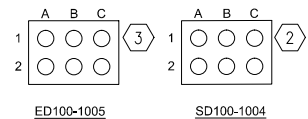
EMH-10061101 TO EMH-10061102

6 SECTION
NOT TO SCALE



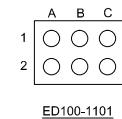
EMH-10061102 TO EMH-10061103

7 SECTION
NOT TO SCALE



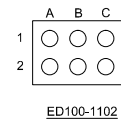
EMH-10061103 TO FUTURE LPP AND TO MCF - TEMP SHIELDED DB

8 SECTION
NOT TO SCALE



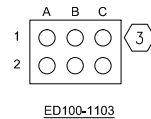
SUBSTATION TO EMH-10061104

9 SECTION
NOT TO SCALE



EMH-10061104 TO EMH-10061105

10 SECTION
NOT TO SCALE



EMH-10061105 TO FUTURE LPP

11 SECTION
NOT TO SCALE

LEGEND

○ DUCT (SEE GENERAL NOTE 5)

ED100-1XXXX DUCTBANK IDENTIFICATION
SD100-1XXXX

SHEET NOTES

1. PROVIDE 4/0 AWG CU GROUNDING WIRE ROUTED ABOVE DUCTBANK. INTERCONNECT TO MANHOLE/HANDHOLE GROUNDING ROD AND/OR FACILITY GROUNDING GRID. SEE SHEET E-902601H FOR MEDIUM VOLTAGE CONDUCTORS SIZES IN DUCT BANK.
2. CONDUITS STUB OUTS FOR FUTURE LPP. PROVIDE 5' LENGTH OF 4/0 AWG BARE CU STINGERS EXOTHERMICALLY WELDED TO DUCT BANK GROUND CONDUCTOR COILED AT END OF STUB OUTS. PROVIDE ABOVE GROUND MARKERS AT EACH STUB OUT FOR FUTURE LPP.
3. SPACING BETWEEN DUCTS SHALL BE 10" ON CENTER, EXCEPT ON TEMPORARY SHIELDED DUCTS TO MCF, WHICH SHALL BE 12" ON CENTER

GENERAL NOTES

1. PROVIDE DUCT BANK REINFORCED CONCRETE ENCASEMENT WHERE LOCATED UNDER AREAS OF HEAVY TRAFFIC LOAD. EXTEND ENCASEMENT 5 FEET BEYOND ROADWAYS. SEE E-100114A FOR EXTENT OF CONCRETE REINFORCEMENT.
2. PROVIDE 60" MINIMUM COVER FROM TOP OF CONDUIT, UON. SEE CIVIL FOR MV DUCT BANK BURIAL DEPTHS.
3. SEE E-100702A FOR DUCT BANK IDENTIFICATION.
4. PROVIDE PULL STRING ON SPARE DUCTS, AND PROVIDE WATER TIGHT CAP AT BOTH ENDS. APPLY LABEL TO EACH END OF THE PULL STRING NOTING LOCATION OF OTHER END OF DUCT.
5. SEE CP1-H, E-907107H, E-907741H, AND E-907742H FOR CONDUCTOR SIZES AND ROUTING.
6. FOR ELECTRICAL NOTES, LEGEND, AND ABBREVIATIONS, SEE SHEETS E-100001A, E-100002A AND E-100003A.



US Army Corps of
Engineers ®
Alaska District

CONTRACT NO.	DATE
CONTRACTOR	APPROVED
CITY	STATE
RECOMMENDED	REPRESENT ENGINEER
PRIME CONTRACTOR	

AM#4	CLARIFY SDB REQUIREMENTS	12/16	BKH
Rev	Action	Date	Approved

Designated	BH	Date	2016.11.18
Drawn	NW	Orig Scale	AS NOTED
Reviewed	RDP	Plot Scale	1:2
Sampled	SMT	File	CLR_LRDR_E-100301A
		Drawing #	AF-141-391-01
			W911KB-17-R-0010
			MDA657
			CLR039a

NOT FOR CONSTRUCTION

CLEAR AFS, ALASKA
LONG RANGE DISCRIMINATION RADAR
CONSTRUCTION PACKAGE 1 - VOLUME 1
ELECTRICAL DUCT BANK
CROSS SECTION AND SCHEDULE

Reference
number:

E-100301A



AM#4